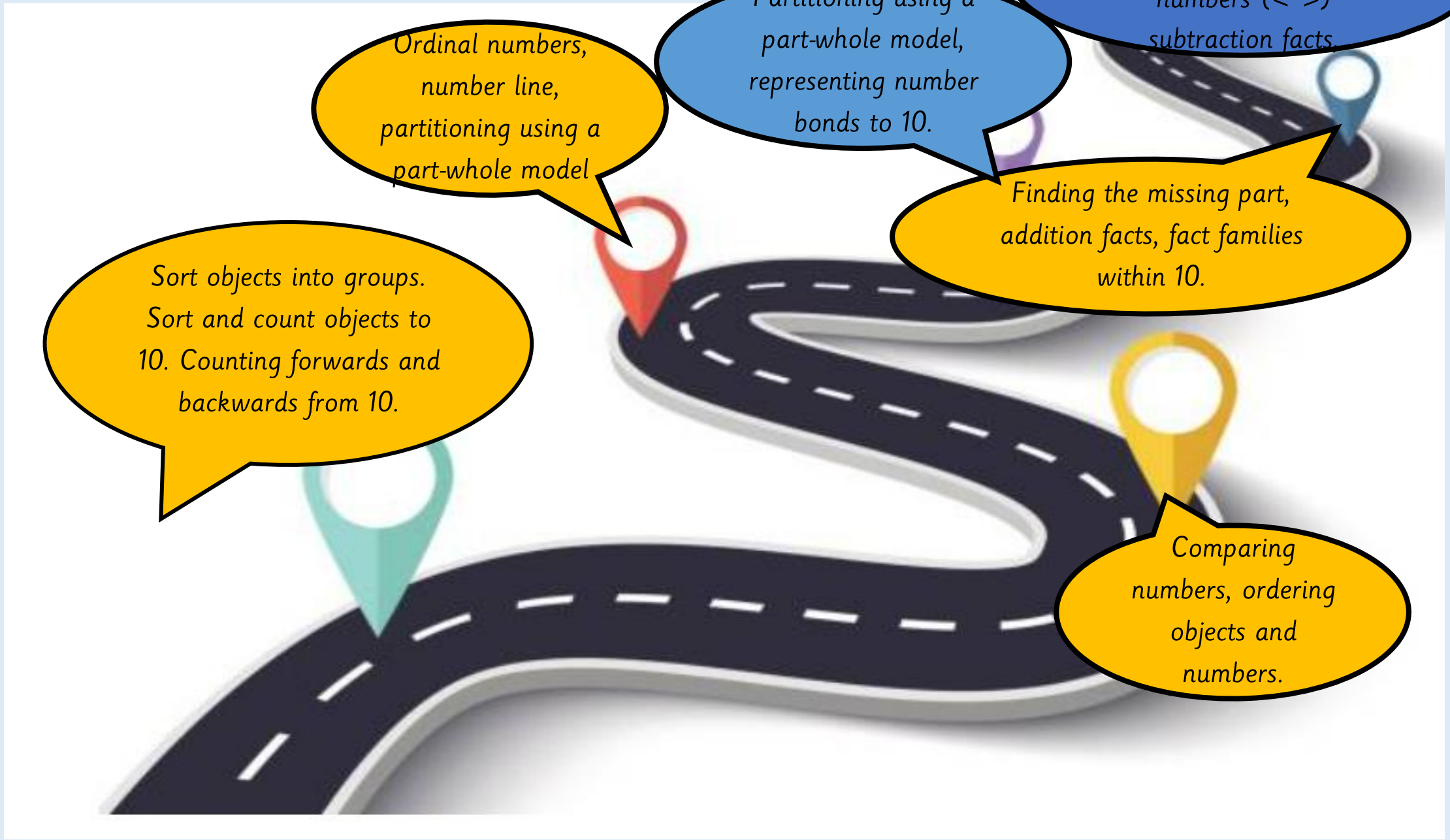
Our Maths Learning Journey



Key vocabulary:

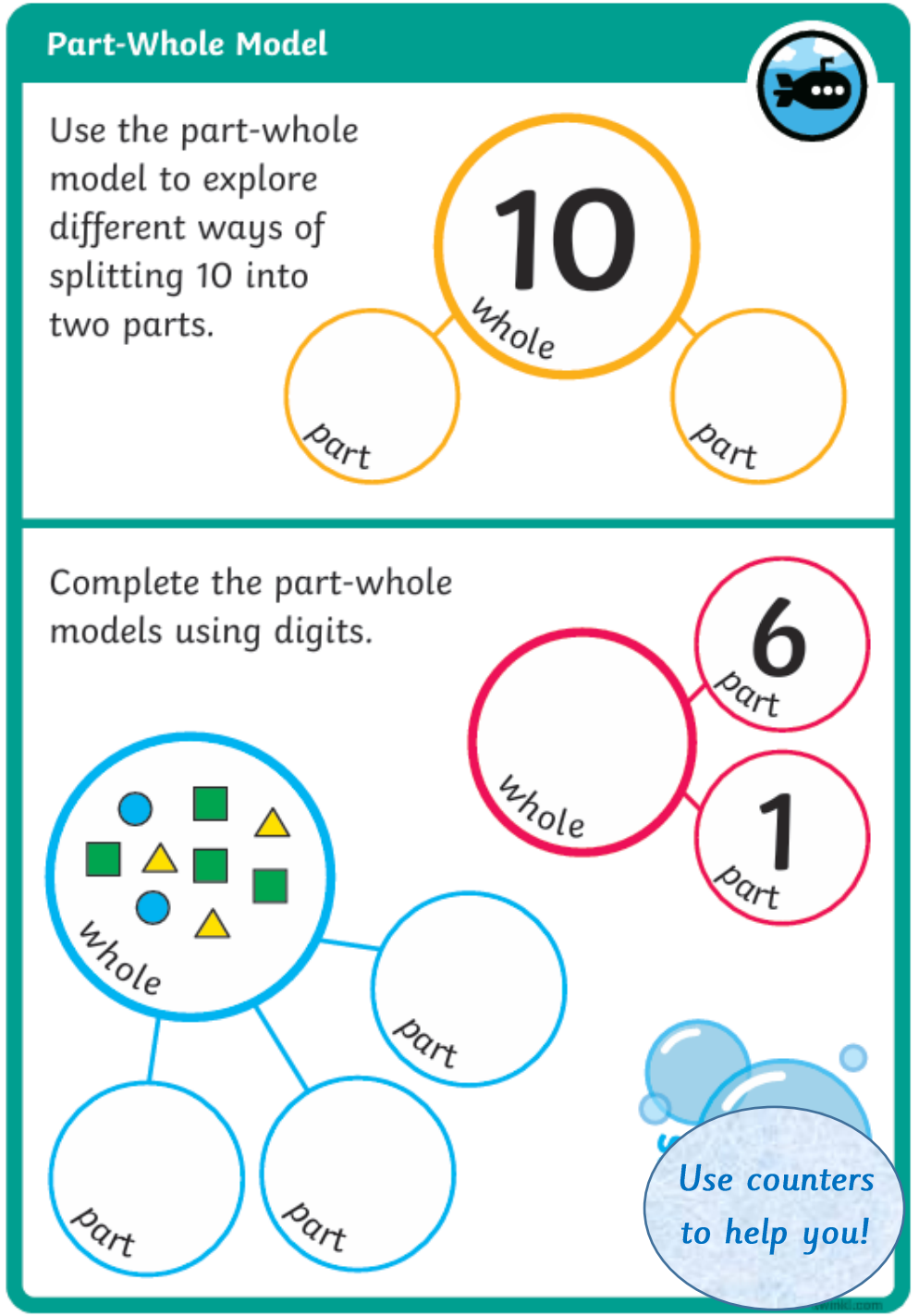
10
20
twenty
Ten
Numbers
Counting
Number bonds
Patterns
Shapes
Square
Triangle
Circle
Rectangle
2D shapes

Challenge of the week

Part-Whole Model

Questions to help you…

- *What is the value of the whole?*
- *What is the same and what is different?*
- *Can you find a different way of partitioning your ten counters?*
- *How did you identify the parts?*

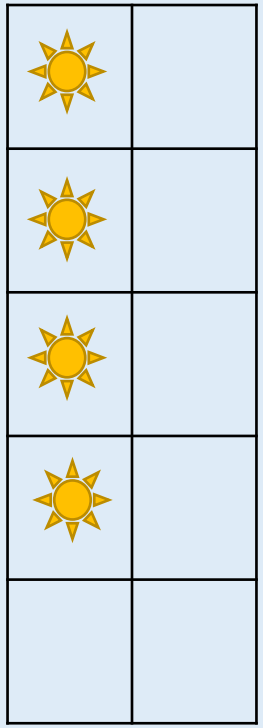


Monday 12th October 2026

12.10.2026

Review: Number bonds to 10.

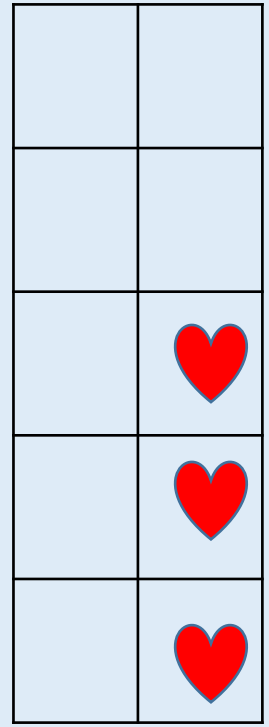
What is this called?



TPs: Can you find the number bonds?

Stem sentence:____ and _____ makes 10.





Challenge: Write the number sentence to match.

12.10.2026



L.Q: Can I find and represent number bonds to 10?

Steps to success



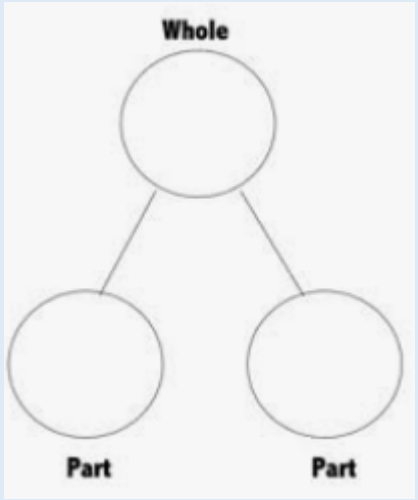
I can represent and use number bonds to 10.

I can recall number bonds to 10 and represent them in a tens frame and a part-whole model.

I can use my knowledge of number bonds to 10 to answer missing-number problems.

Star words

part- whole model



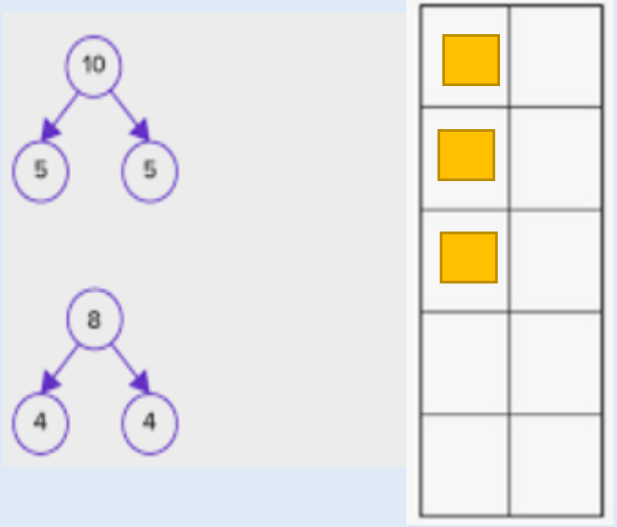
plus

+

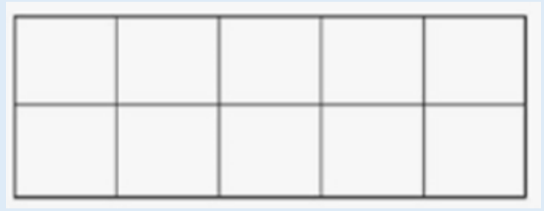
number sentence

3 + 4 = 7

number bonds



tens frame

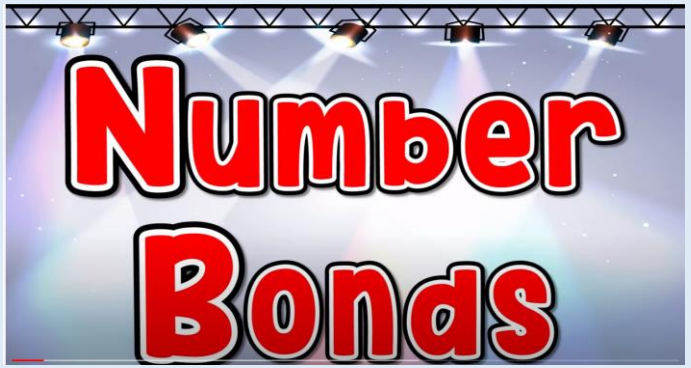


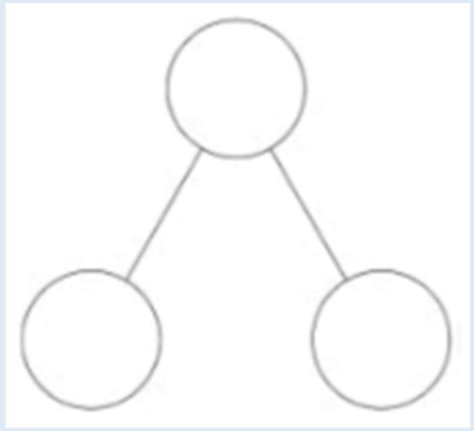
equal to

=

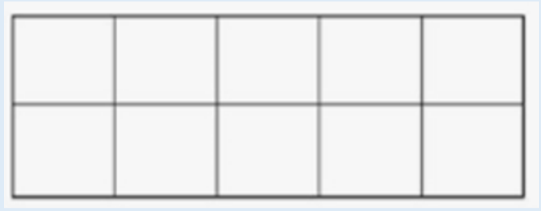
L.Q: Can I find and represent number bonds to 10? 12.10.2026

https://www.youtube.com/watch?v=lD9tjBUiXs0





Do you remember what these are?



L.Q: Can I find and represent number bonds to 10? 12.10.2026

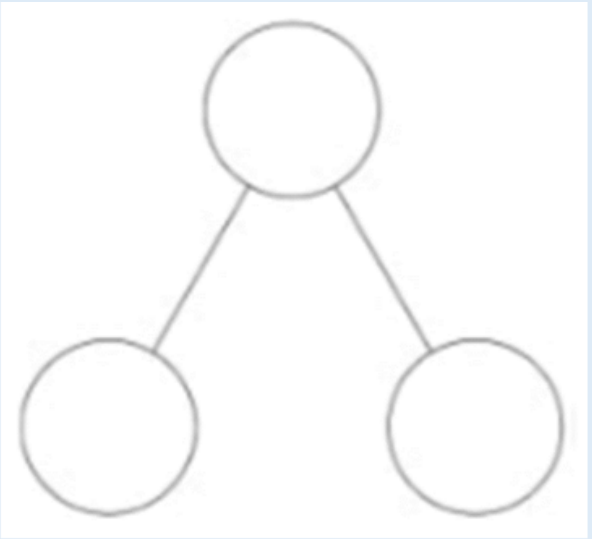
Let's find the 2 parts and the whole.



TPs: What are the parts?

Stem sentence:

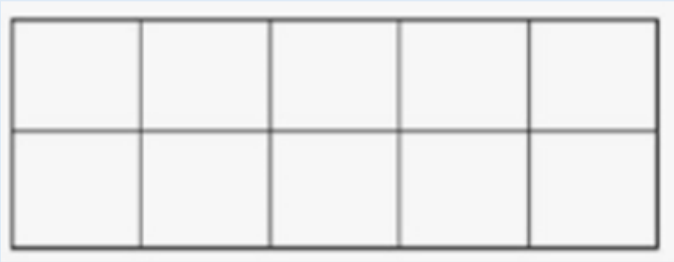
The parts are_____ and ____.



TPs: What is the whole?

Stem sentence:

The whole is_____.



What is the number sentence?

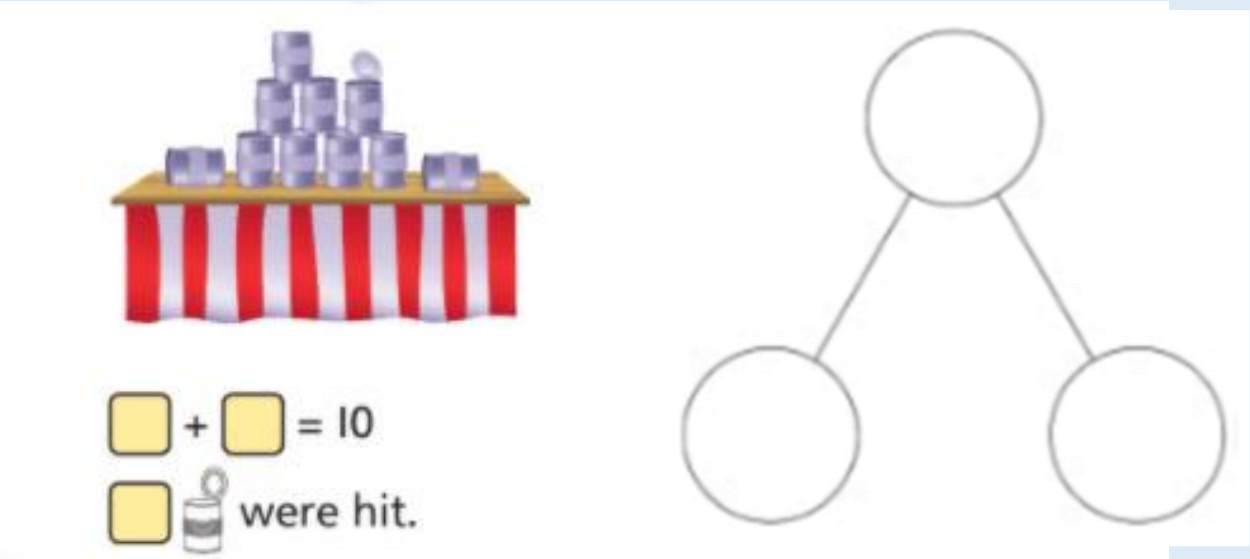
____ + _____ = ____

L.Q: Can I find and represent number bonds to 10? 12.10.2026

TPs: What are the parts?

Stem sentence:

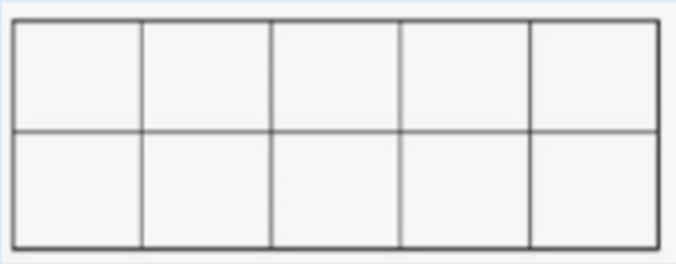
The parts are_____ and ____.



TPs: What is the whole?

Stem sentence:

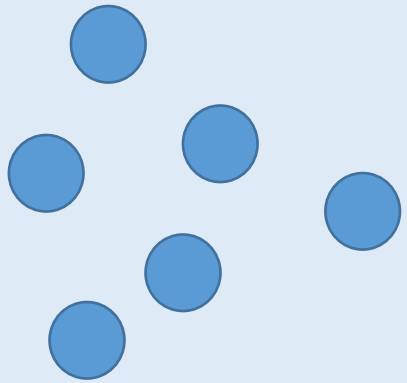
The whole is_____.

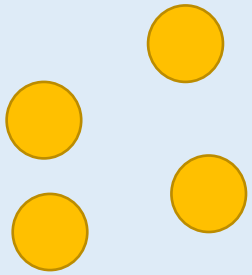


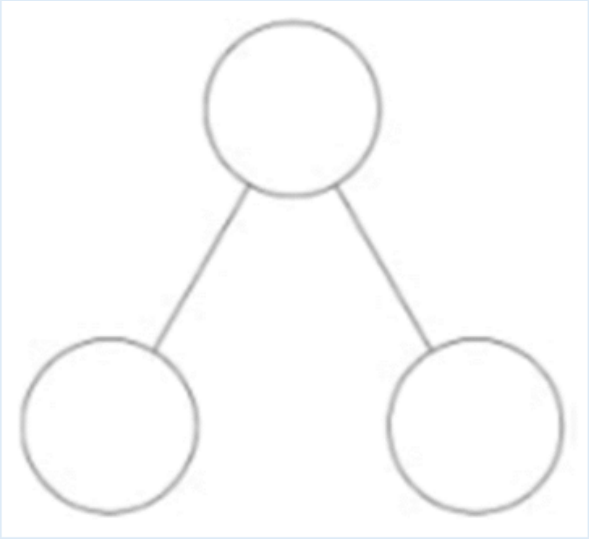
What is the number sentence?

____ + _____ = ____

L.Q: Can I find and represent number bonds to 10? 12.10.2026







TPs: What are the parts?

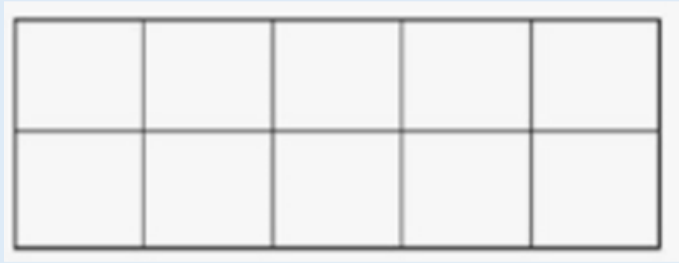
Stem sentence:

The parts are_____ and ____.

TPs: What is the whole?

Stem sentence:

The whole is_____.



What is the number sentence?

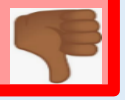
____ and _____ makes ____.

Self Assessment

Do you understand how to find and represent number bonds to 10?



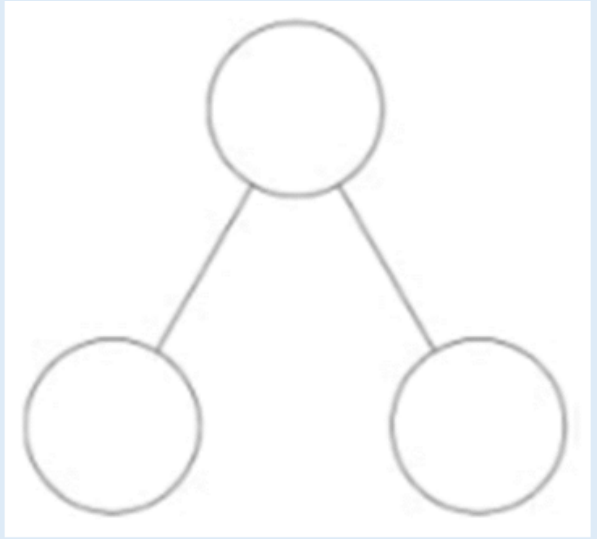




L.Q: Can I find and represent number bonds to 10? 12.10.2026

10

Partition 10 into 2 parts.



TPs: What are the parts?

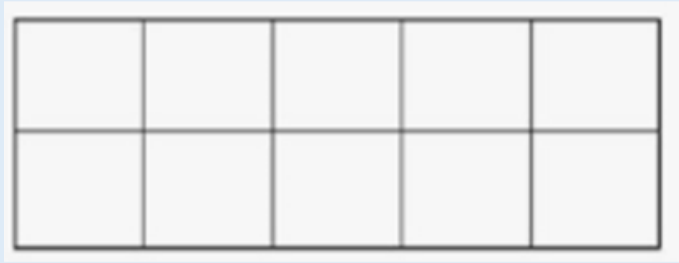
Stem sentence:

The parts are_____ and ____.

TPs: What is the whole?

Stem sentence:

The whole is_____.



What is the number sentence?

____ + _____ = ____

Self Assessment

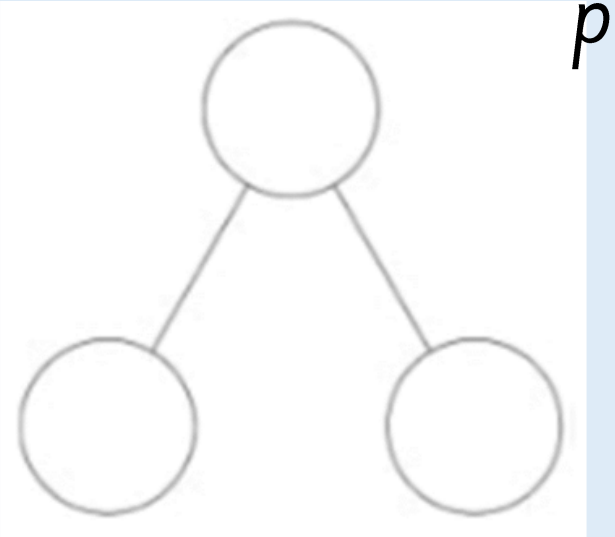
Do you understand how to find and represent number bonds to 10?



L.Q: Can I find and represent number bonds to 10? 12.10.2026

Task

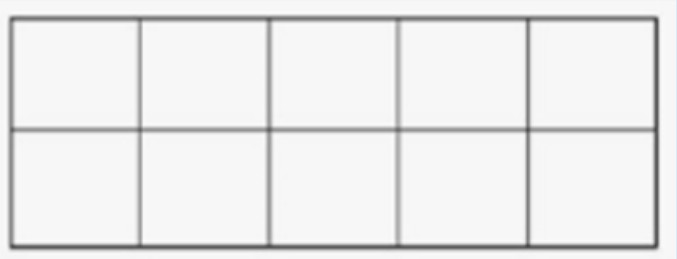
Complete your number bonds to 10 and show it in the part whole model/tens frame.



0 + 10 = ___

1 + ___ = 10

2 + ___ = 10



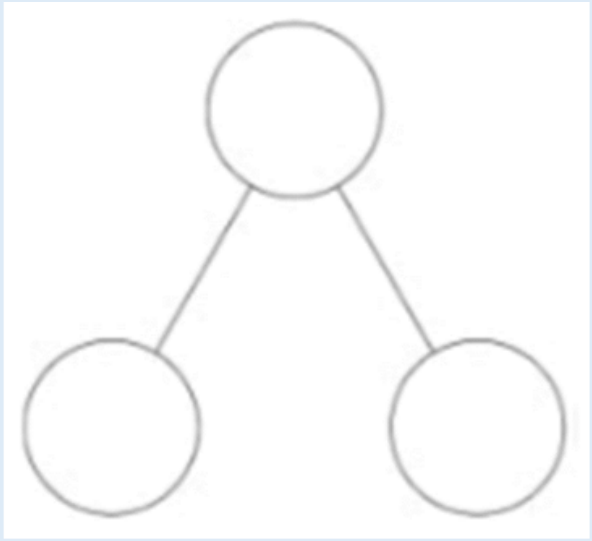
Self Assessment

Do you understand the task?

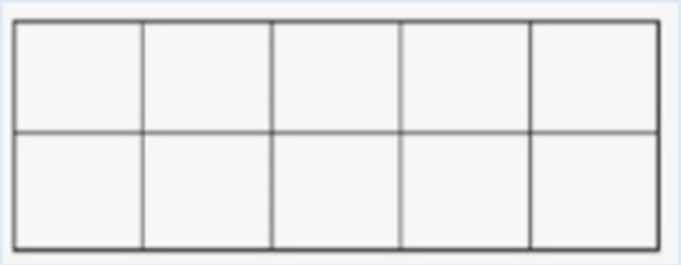


Tuesday 13th October 2026

L.Q: Can I find and represent number bonds to 10? 13.10.2026



10



TPs: Partition 10 into 2 parts.

Stem sentence: One **part** is _____.

Stem sentence: One **part** is _____.

Stem sentence : The **whole** is _____.



L.Q: Can I find and represent number bonds to 10?

Steps to success



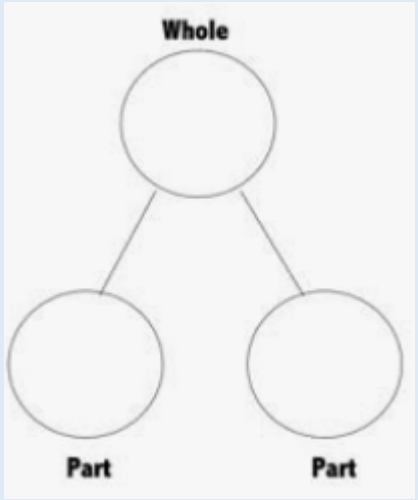
I can represent and use number bonds to 10.

I can recall number bonds to 10 and represent them in a tens frame and a part-whole model.

I can answer missing number problems.

Star words

part- whole model



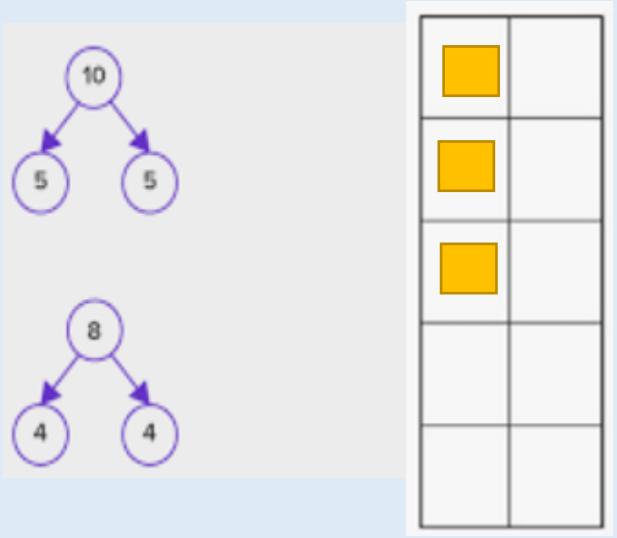
plus

+

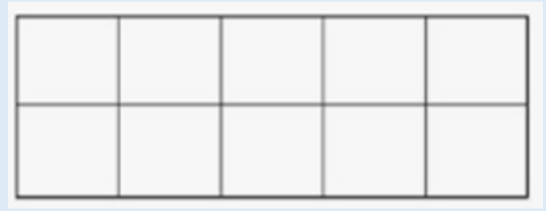
number sentence

3 + 4 = 7

Number bonds



tens frame



equal to

=

L.Q: Can I find and represent number bonds to 10? 13.10.2026

https://www.topmarks.co.uk/maths-games/hit-the-button



TPs: Now that we have practiced, can you tell your partner a number bond to 10!

Stem sentence: _____ and _____ makes 10.

L.Q: Can I find and represent number bonds to 10? 13.10.2026

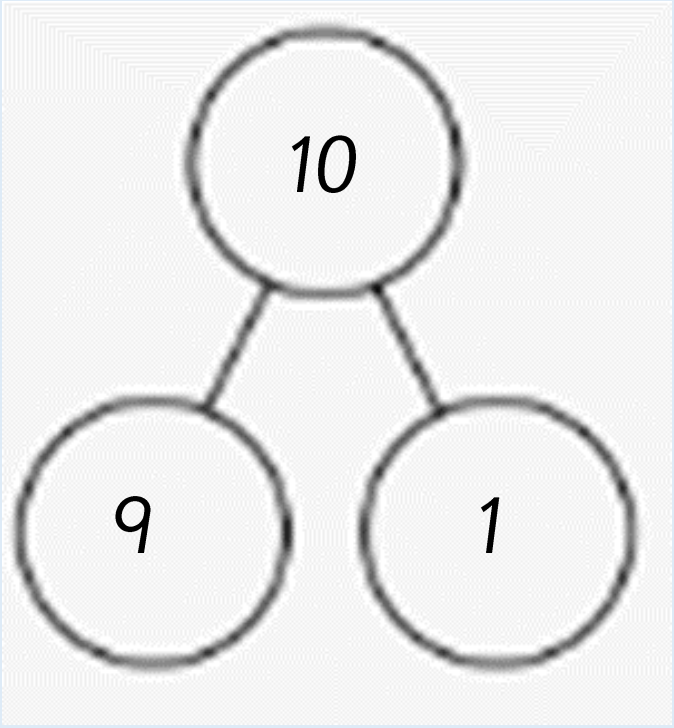
Nicole has made a part-whole model showing a number bond to 10.

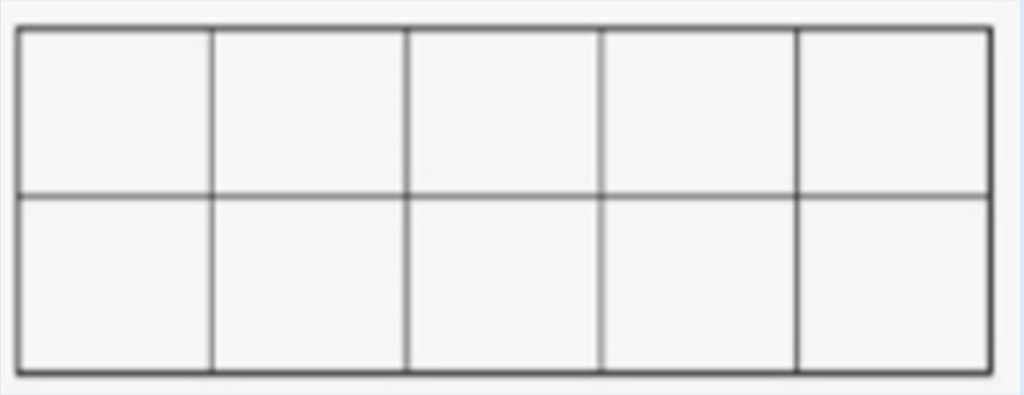
TPs:

What are the parts?

What is the whole?

Stem sentence: ____ and _____ makes ____.





___ +9 =10

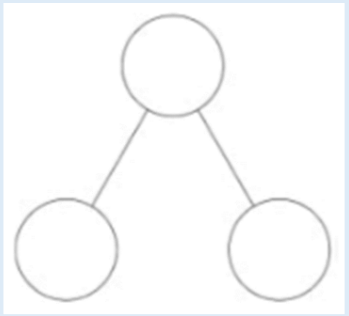
___+1 = 10

9+1 = ___

How do I show it in a tens frame?

How do I show it in a number sentence?

L.Q: Can I find and represent number bonds to 10? 13.10.2026

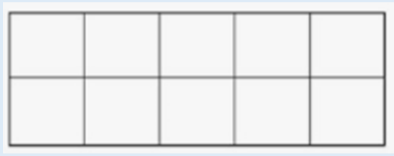


Nicole has made a part-whole model showing a number bond to 10.

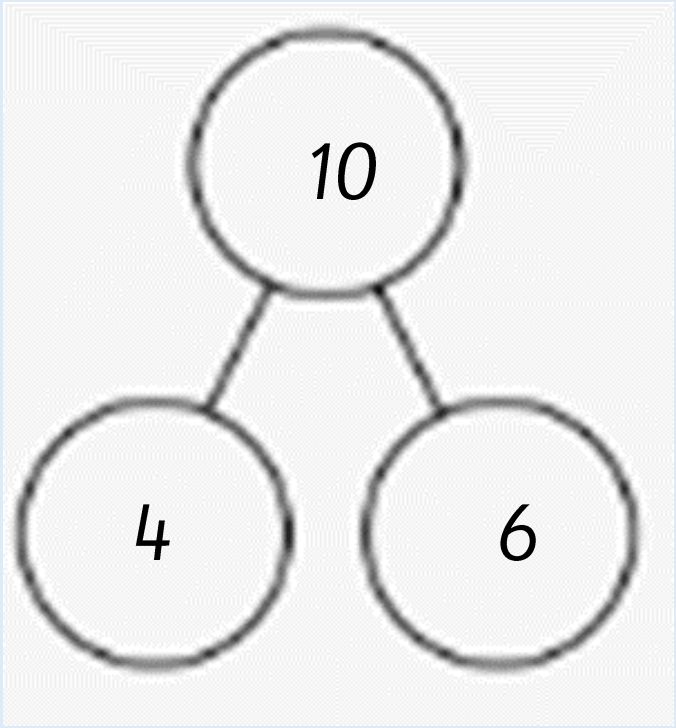
TPs:

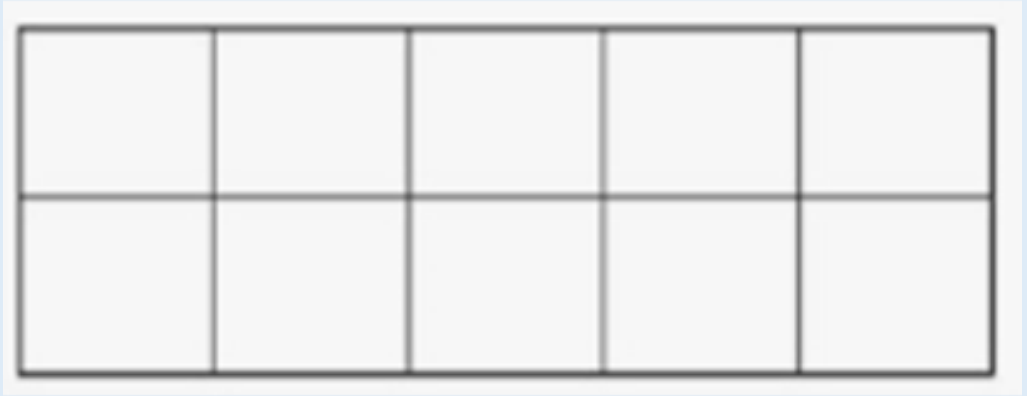
What are the parts?

What is the whole?



Stem sentence: ____ and _____ makes ____.





___ +6 =10

6+4 = ___

6 + ___ = 10

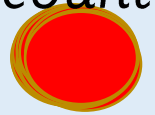
How do I show it in a tens frame?

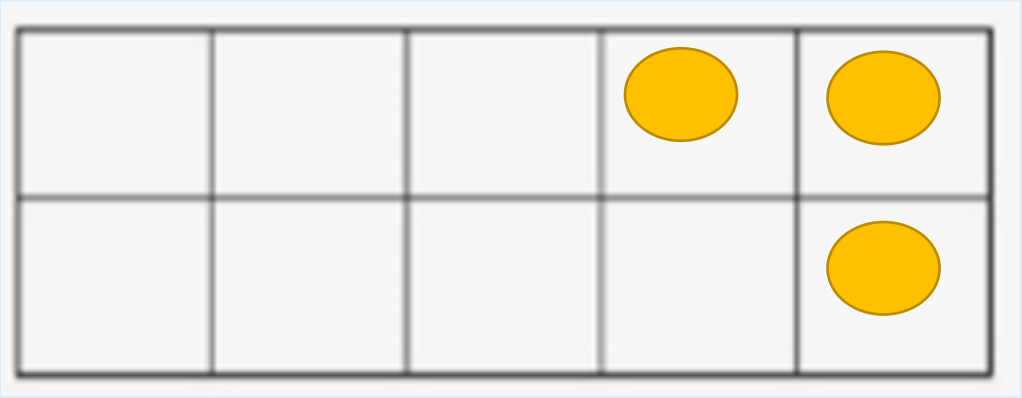
How do I show it in a number sentence?

L.Q: Can I find and represent number bonds to 10? 13.10.2026

Help us to find number bonds to 10.

Drag the red counters

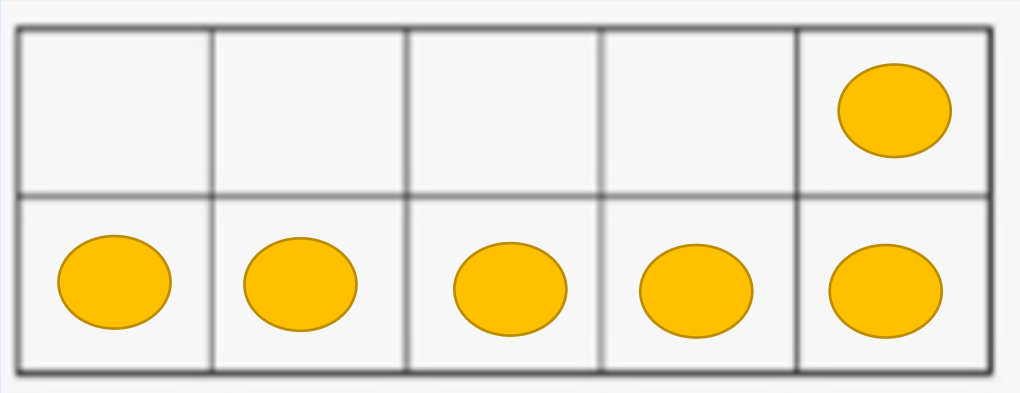




3 + ____ =_____

____ + _____ = ____

_____ + ____=_____



Self Assessment

Do you understand how to find and represent number bonds to 10?

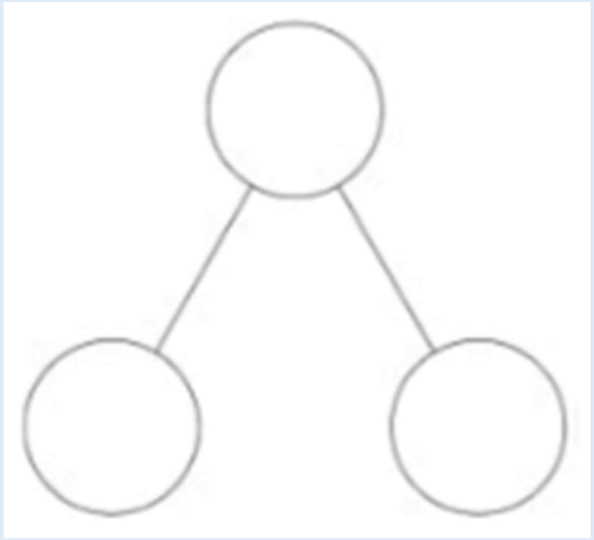






Task

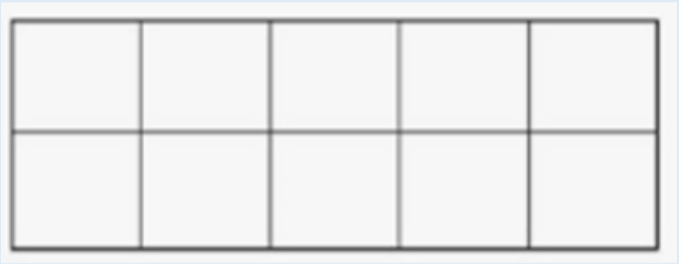
Complete your number bonds to 10 and show it in the part whole model/tens frame.



$2 + ___ = 10$

$___ + 8 = 10$

$8 + 2 = ___$



Self Assessment

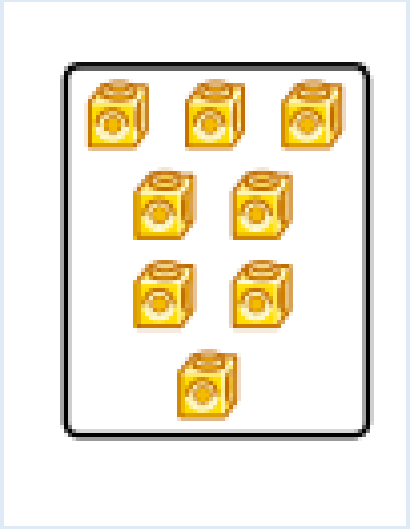
Do you understand the task?

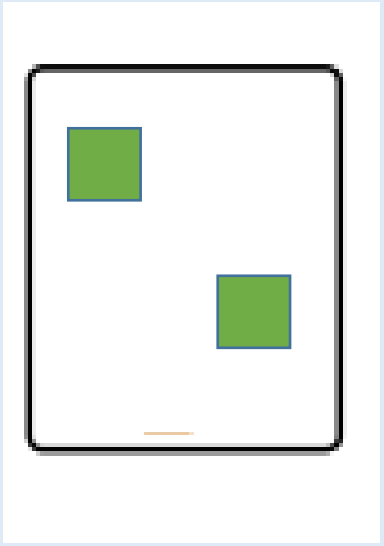


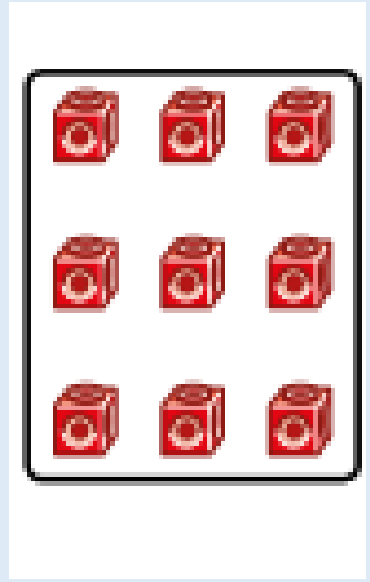
Wednesday 14th October 2026

14.10.2026

*Review: Count and order from the **smallest** number first*







Smallest number ⟶ *largest number*

14.10.2026



L.Q: Can I find and represent number bonds to 10?

Steps to success



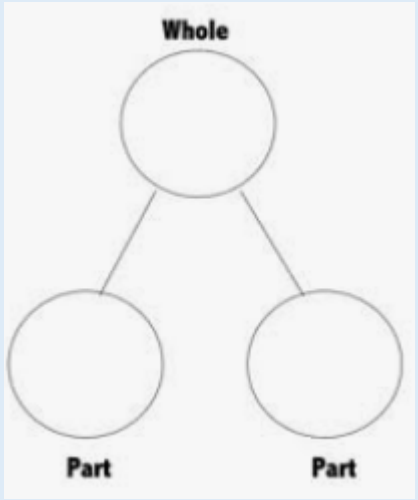
I can represent and use number bonds to 10.

I can recall number bonds to 10 and represent them in a ten frame and a part-whole model.

I can answer missing number problems.

Star words

part- whole model



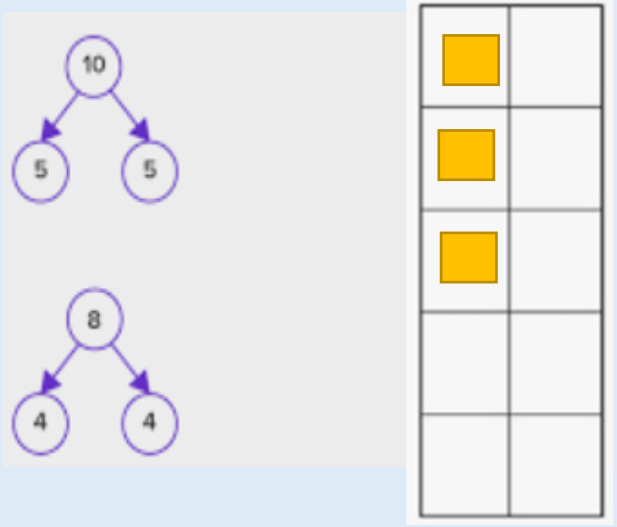
plus

+

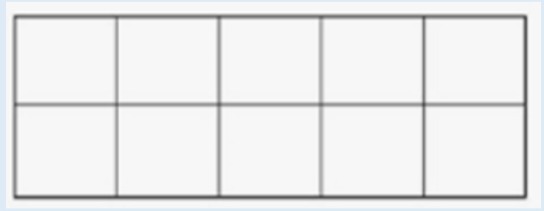
number sentence

3 + 4 = 7

number bonds



tens frame



equal to

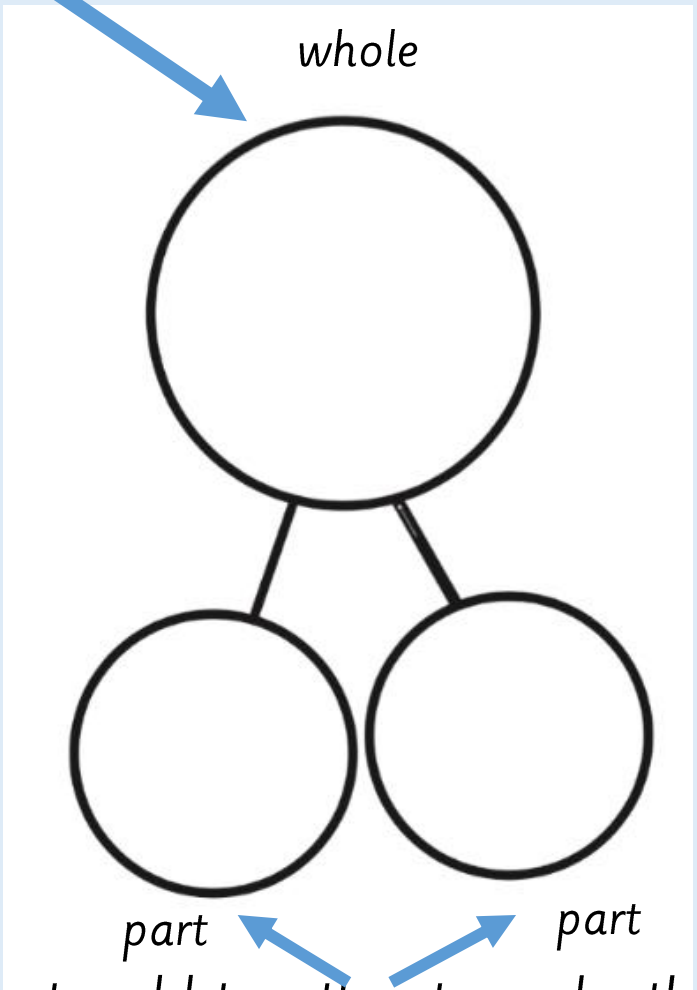
=

L.Q: Can I find and represent number bonds to 10?

14.10.2026

What is this called?

The whole is the biggest number and is the total of the parts.



The two parts add together to make the whole.

It is important the numbers are in the correct place otherwise it does not make sense.

L.Q: Can I find and represent number bonds to 10? 14.10.2026

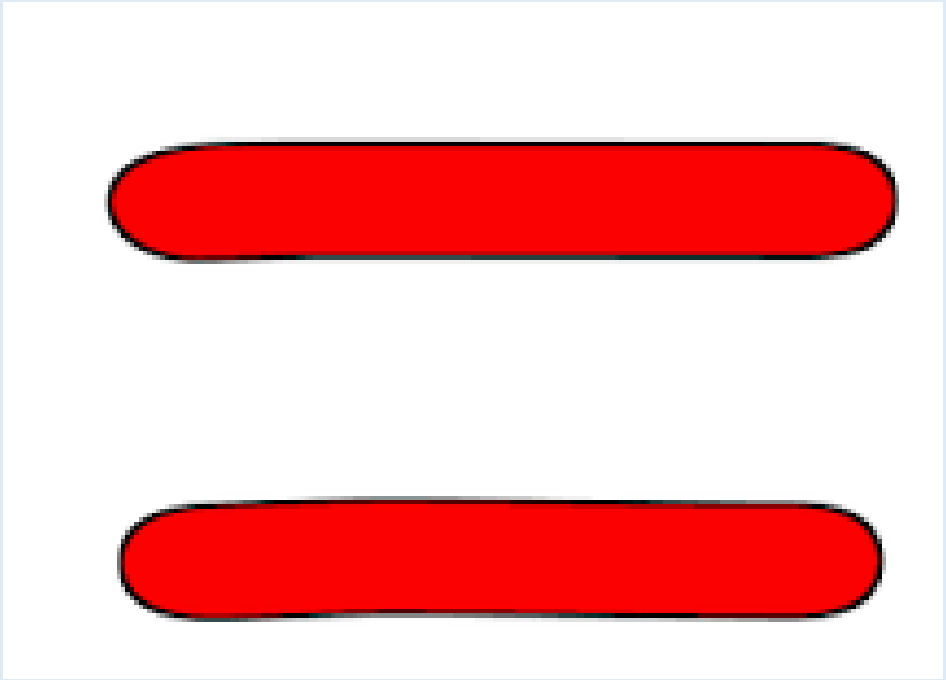
What do these signs mean?



Add / Plus

When you combine two or more numbers together.

1 + 1



Equals

The end values totaled together.

1+1 together = 2

L.Q: Can I find and represent number bonds to 10? 14.10.2026

How many children are there?





One part has _____.

The other part has _____.

The whole is ____.

There are _____ children altogether.

Can we write it as a number sentence?

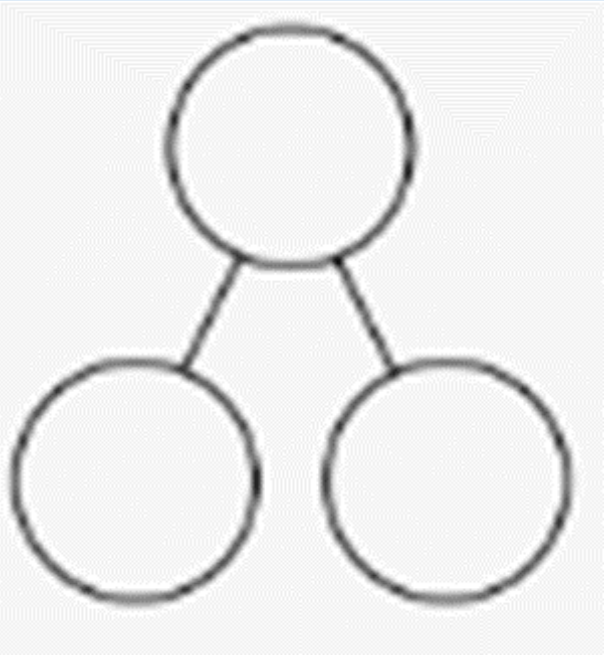
____ + ____ = ____

L.Q: Can I find and represent number bonds to 10? 14.10.2026

How many children are there?



There are _____ children altogether.



One part has _____.

The other part has _____.

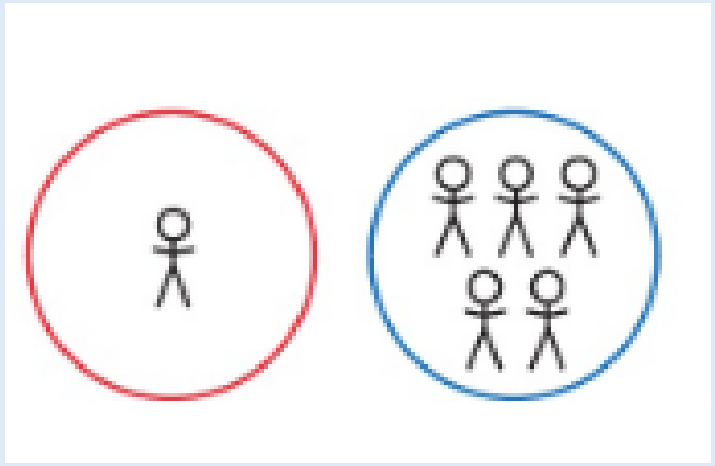
The whole is ____.

Can we write it as a number sentence?

____ + ____ = ____

L.Q: Can I find and represent number bonds to 10? 14.10.2026

How many people are there?



There are _____ people altogether.



One part has _____.

The other part has _____.

The whole is ____.

Can we write it as a number sentence?

____ + ____ = ____

Self Assessment

Do you understand how to find and represent number bonds to 10?





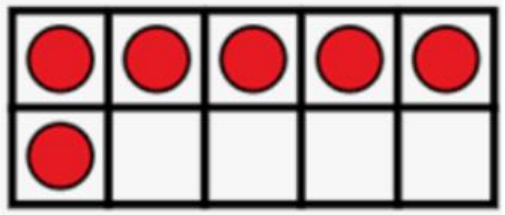
L.Q: Can I find and represent number bonds to 10?

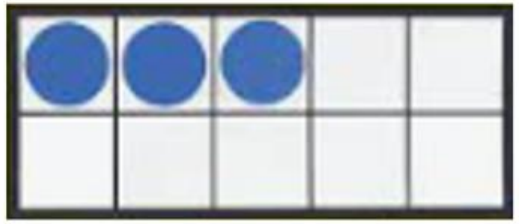
14.10.2026

Task

Part, whole, partition, equal to, add, equal to, number

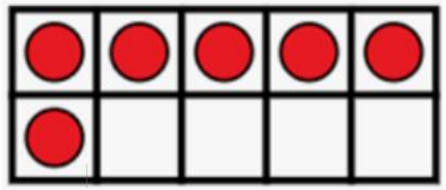
1.	2.	3.
Complete the these tens frames abd write the number sentence to match.	What do you add to 10 to make 10?	Partition 10 into 2 parts to create a number bond to 10.
_____ + _____ =	10 + _____ = 10	10
	You have to add _____ to 10 because _____.	





_____ + _____ = _____ + _____ =

Today worked in a small group to explore number bonds to 10 in a tens frame. We counted the counters in the tens frame and worked out how many more parts we needed to make 10. As a challenge we wrote the number sentence to match.



_____ + _____ =



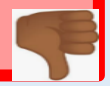
_____ + _____ =

Self Assessment

Do you understand the task?



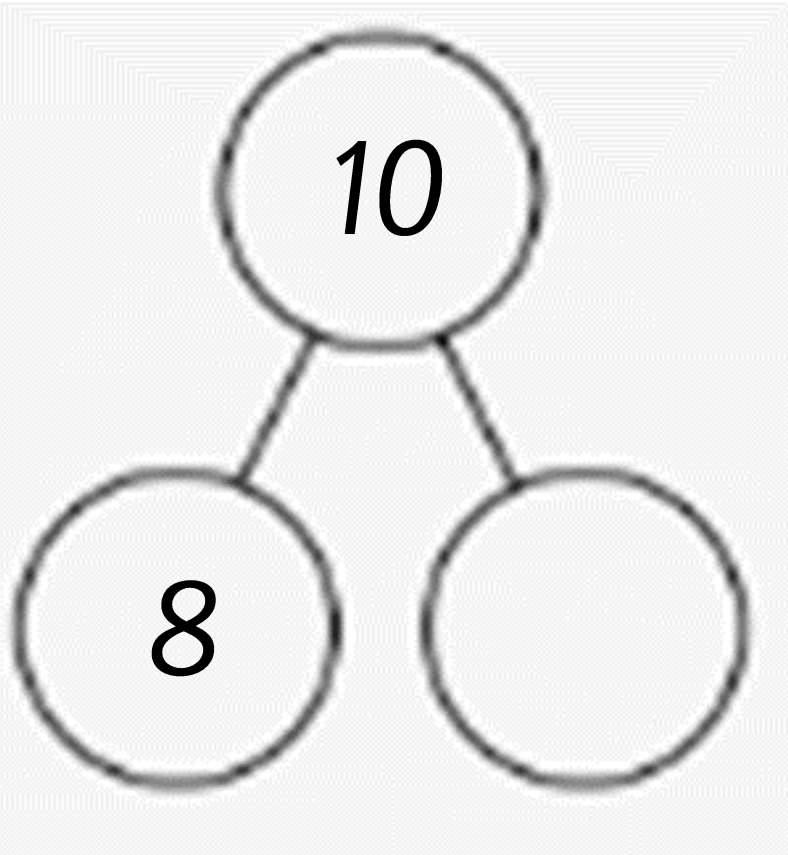


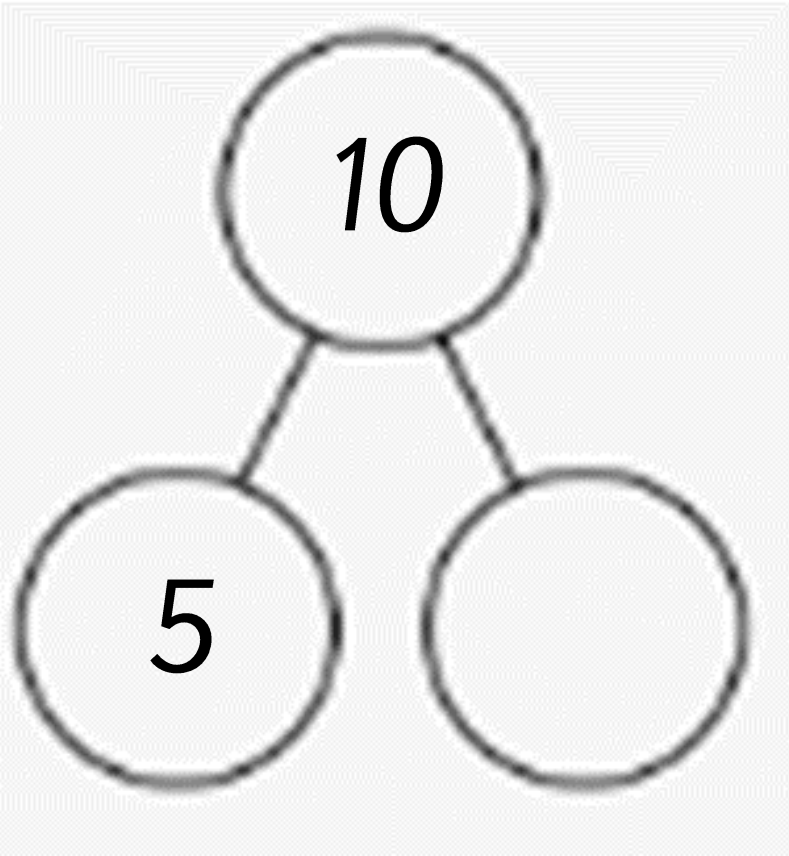


Thursday 15th October 2026

Find the missing parts below.

Think of your number bonds to 10.





Challenge: Write the number sentence to match.

15.10.2026



L.Q. Can I find the missing part?

Steps to success



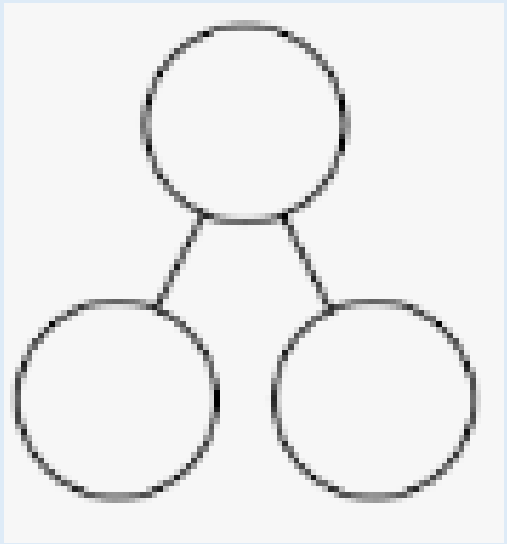
I can count on from one part to the total.

I can find the missing part.

I can identify the number of jumps between the two parts.

Star words

part- whole model



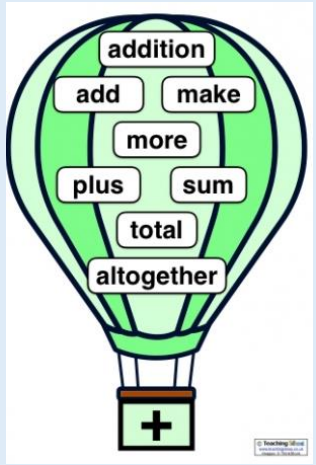
number line



plus

+

altogether



equal to

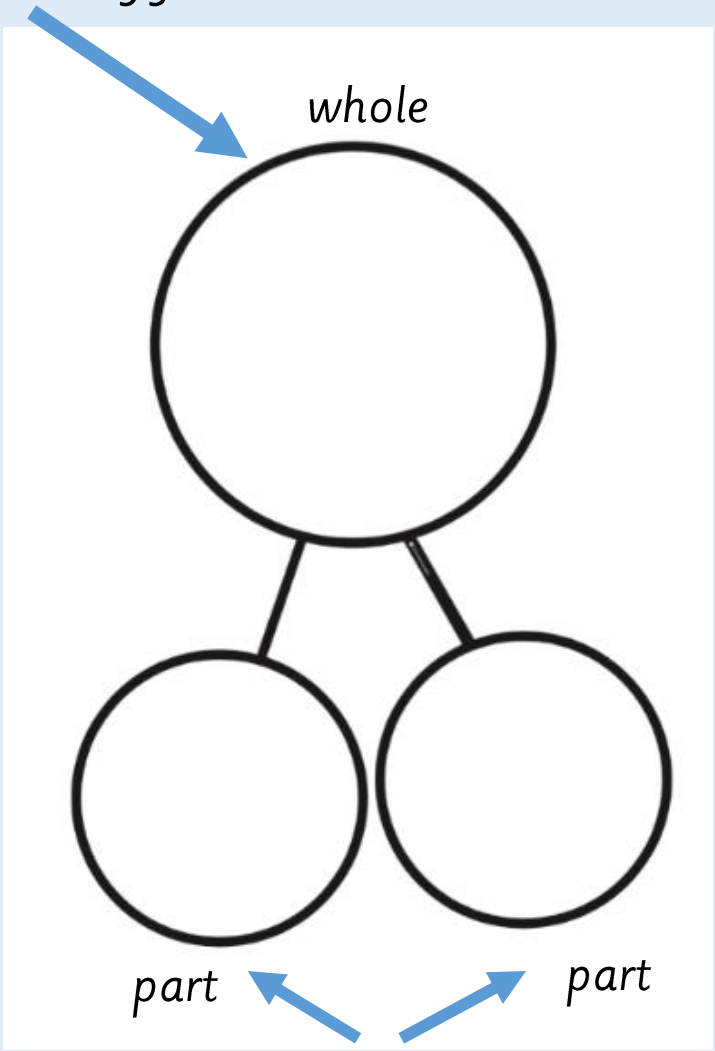
=

L.Q. Can I find the missing part?

What is this called?

15.10.2026

The whole is the biggest number and is the total of the parts.



The two parts add together to make the whole.

It is important the numbers are in the correct place otherwise it does not make sense.

L.Q. Can I find the missing part?

15.10.2026

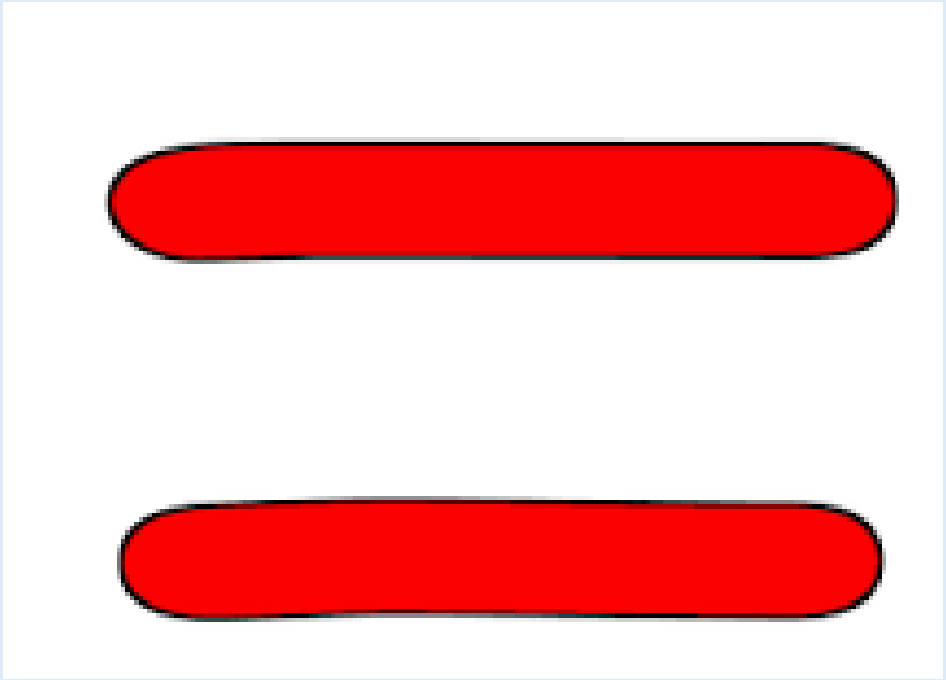
What do these signs mean?



Add / Plus

When you combine two or more numbers together.

1 + 1



Equals

The end values totaled together.

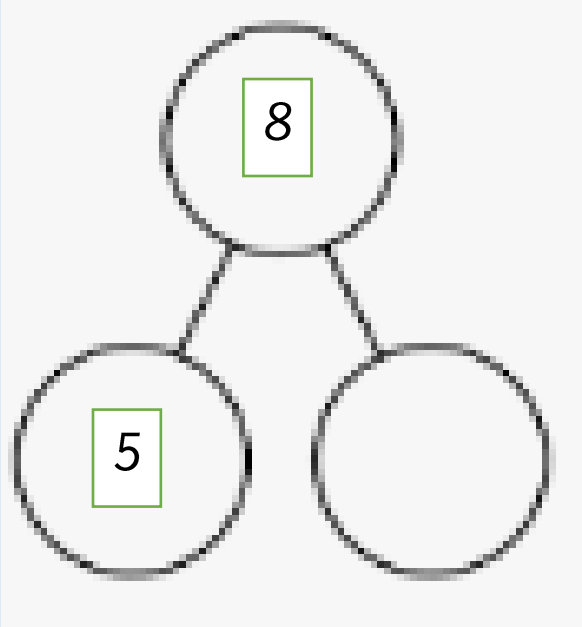
1+1 together = 2

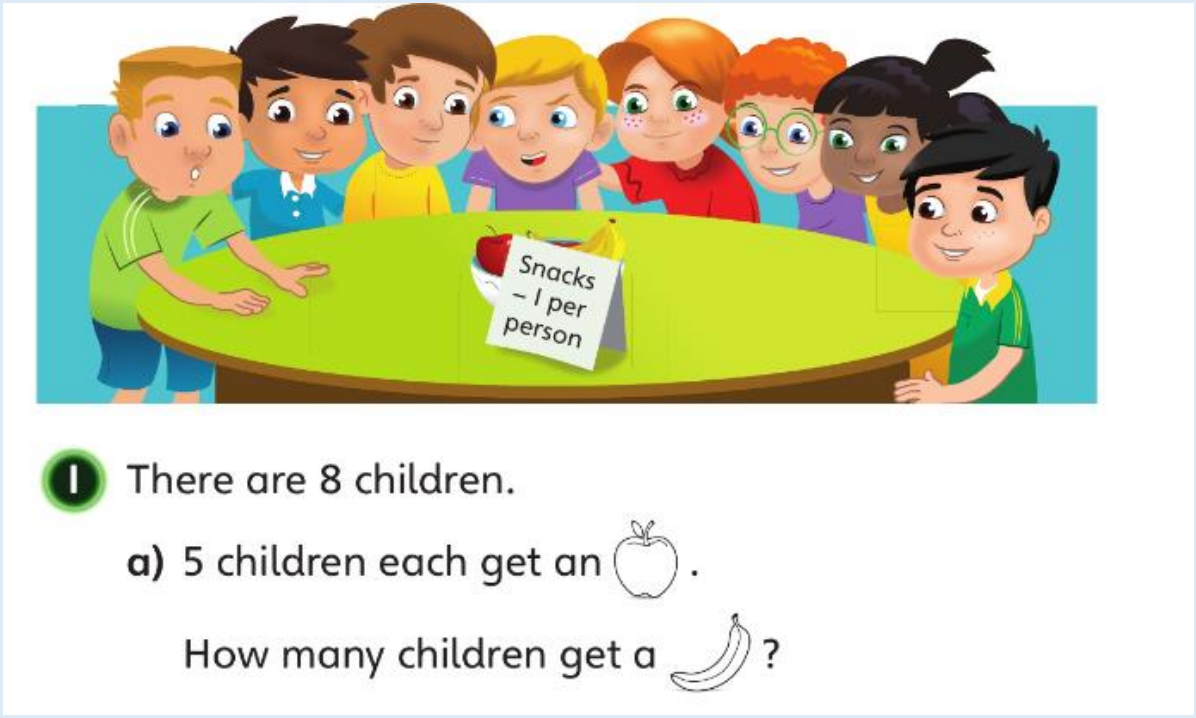
L.Q. Can I find the missing part?

15.10.2026

The whole is _____.

One parts is ____.





The other part is ____.

Count on…

L.Q. Can I find the missing part?

15.10.2026

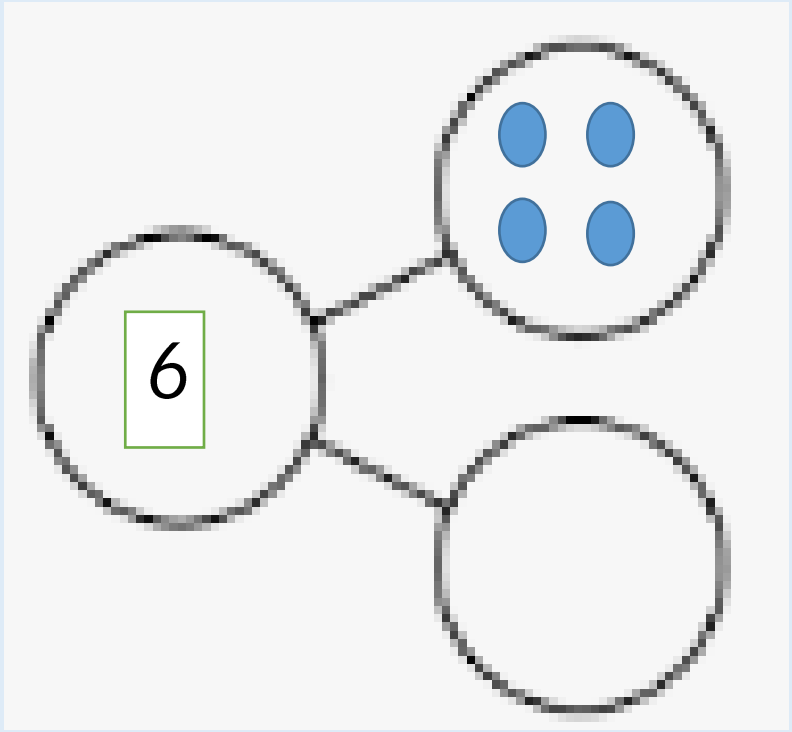
TPs: One parts is ____.

TPs: The whole is _____.

How can we work out the other part?

Count on…

The other part is ____.



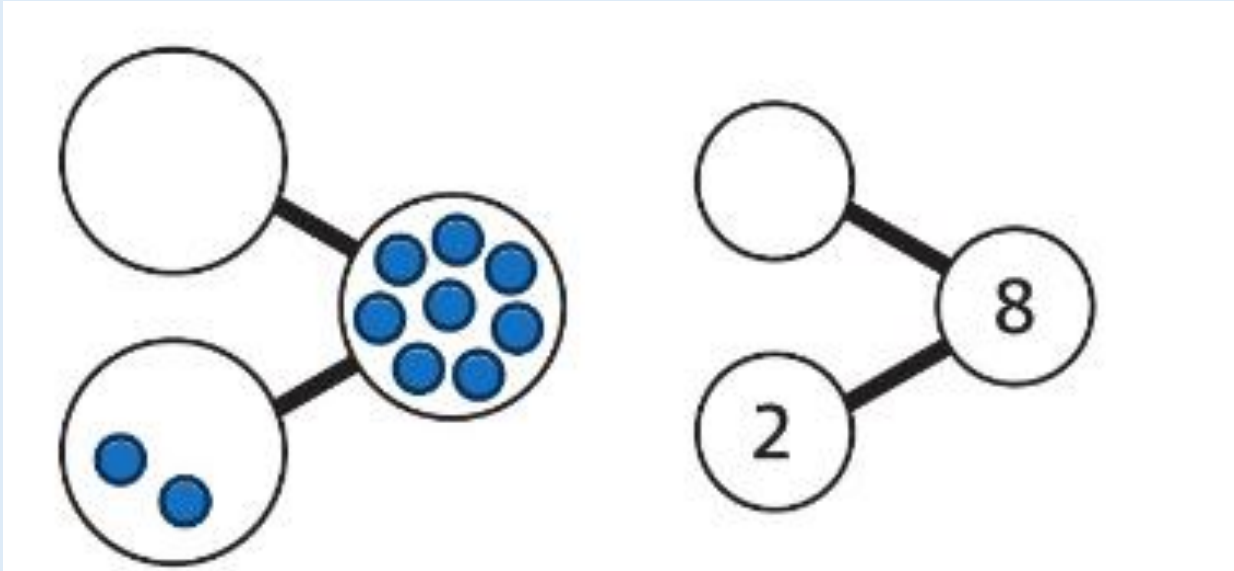
L.Q. Can I find the missing part?

15.10.2026

There are 8 pieces of fruit altogether.

How many  are there?





The whole is _____.

One part is _____.

TPs: *How can we work out the other part?*

Stem sentences:

We can work it out by…

The other part is ____.

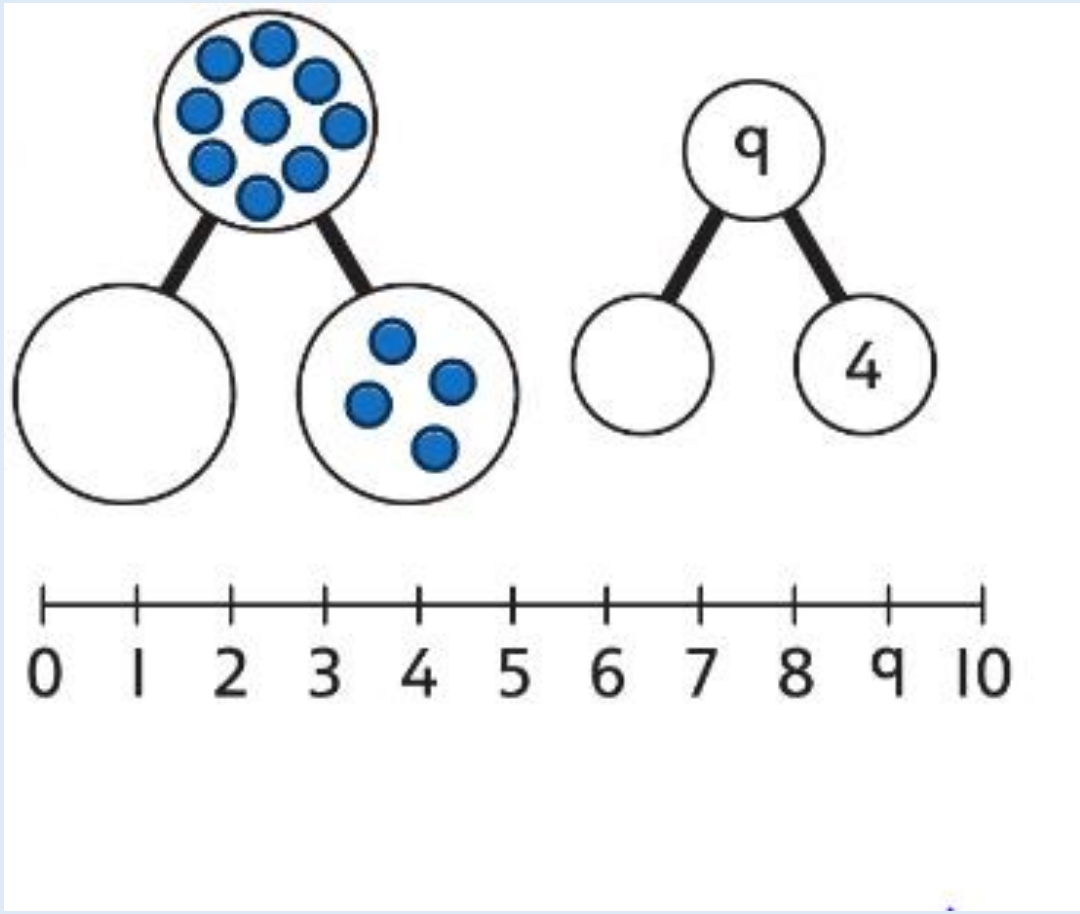
L.Q. Can I find the missing part?

15.10.2026

There are 9 pens and ✏ altogether.

How many ✏ are there?





TPs: How can we work out the other part?

Stem sentences:

The whole is _____.

One part is _____.

Count on…

Self Assessment

Do you understand how to find the missing part?



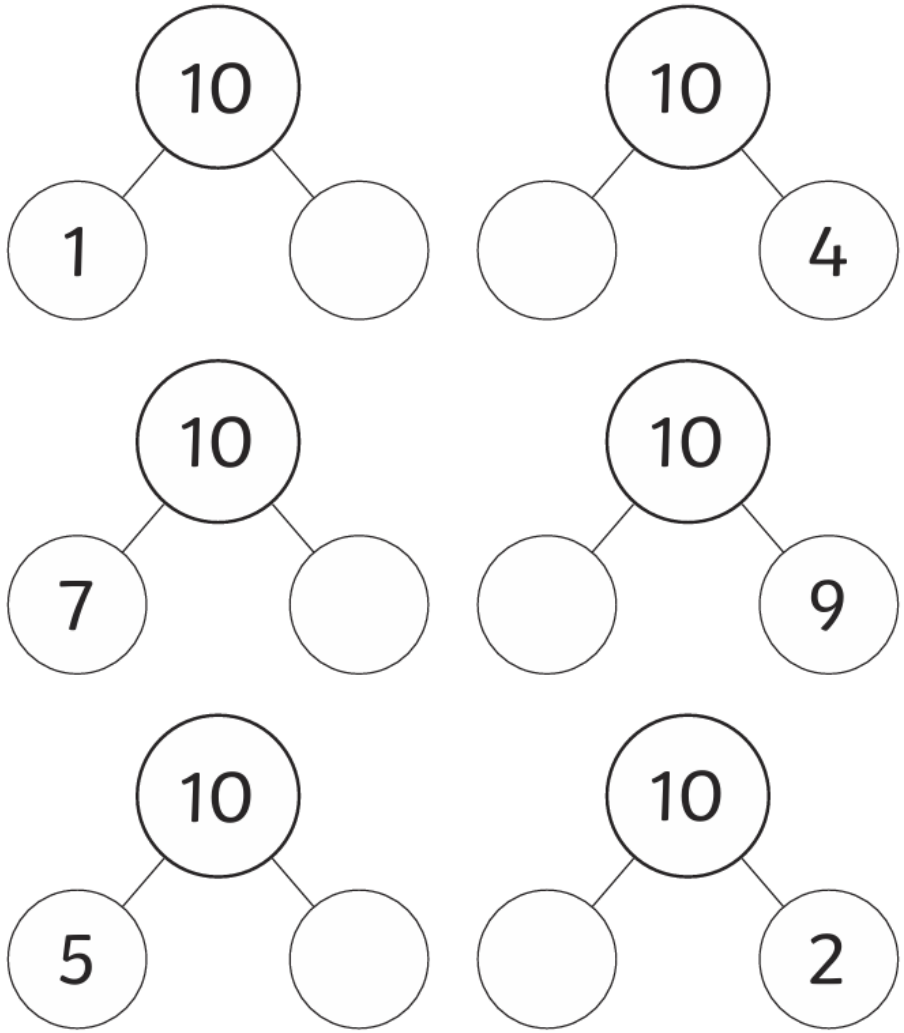
L.Q. Can I find the missing part?

Task

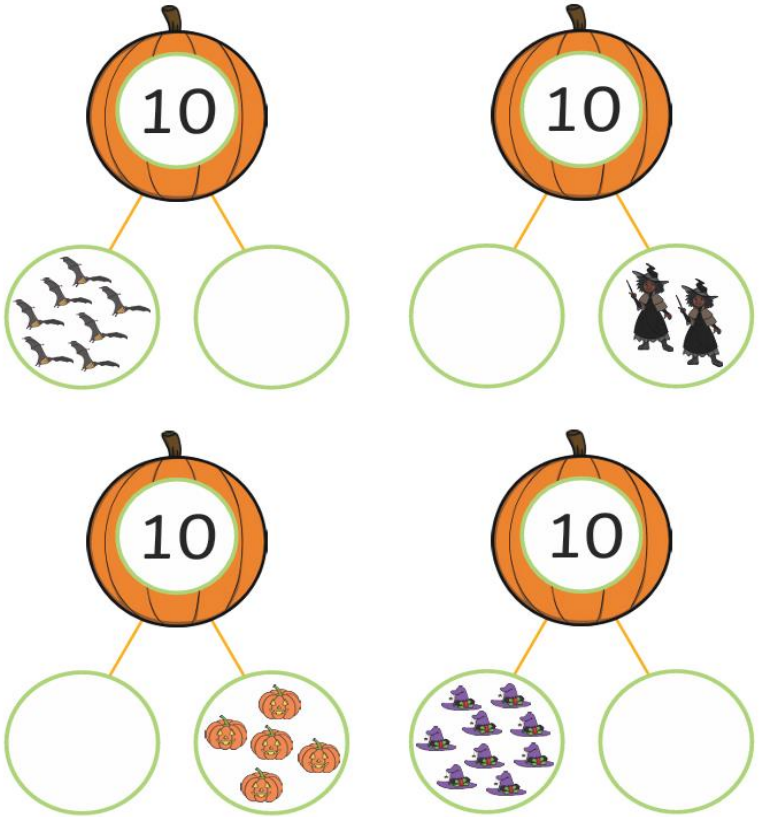
15.10.2026

Partitioning to 10

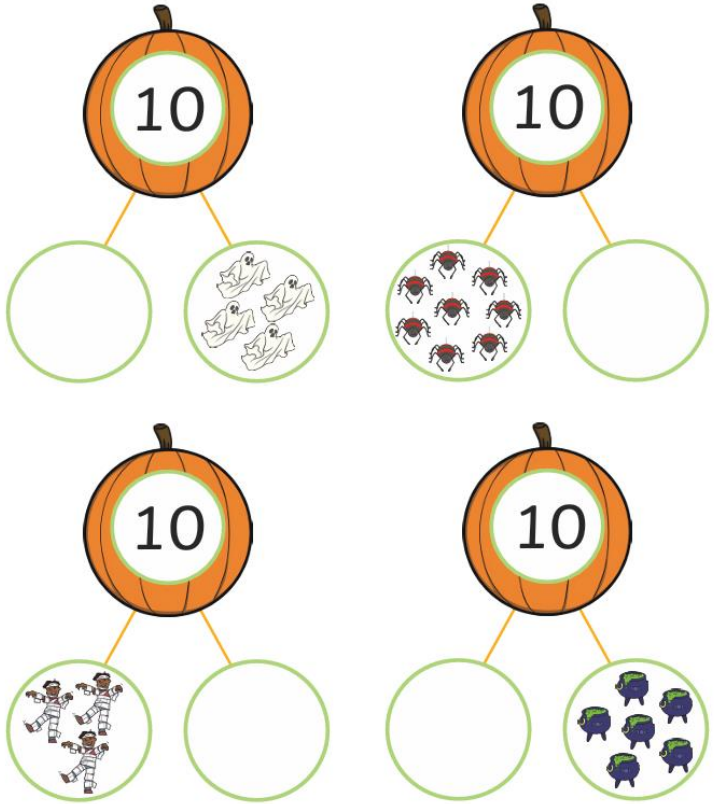
Complete the part-whole models by writing the correct numbers in the spaces.



Halloween Part-Whole Number Bonds of 10



Halloween Part-Whole Number Bonds of 10



Self Assessment

Do you understand the task?



Friday 16th October 2026

16.10.2026

Review: Let's recite our number bonds to 10 as a class.

0 + 10 = 10

1 + 9 = 10

2 + 8 = 10

3 + 7 = 10

4 + 6 = 10

5 + 5 = 10

Complete the number bonds.

What comes next?

16.10.2026



L.Q. Can I find the missing part?

Steps to success



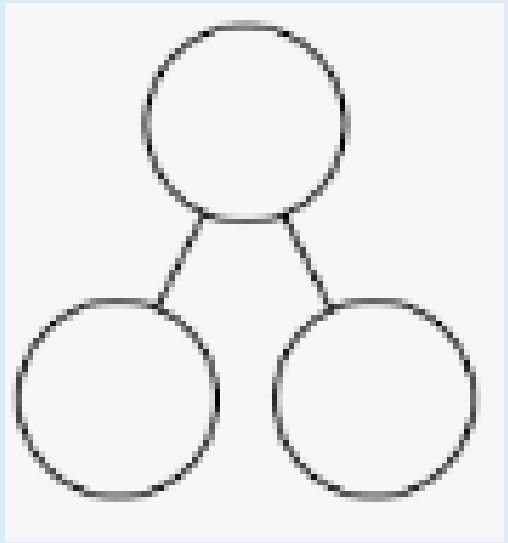
I can count on from one part to the total.

I can find the missing part.

I can identify the number of jumps between the two parts.

Star words

part- whole model



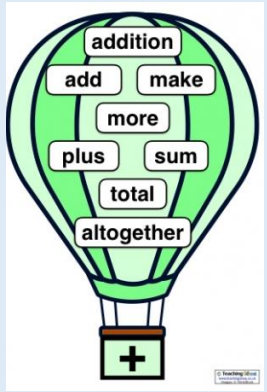
number line



plus

+

altogether



equal to

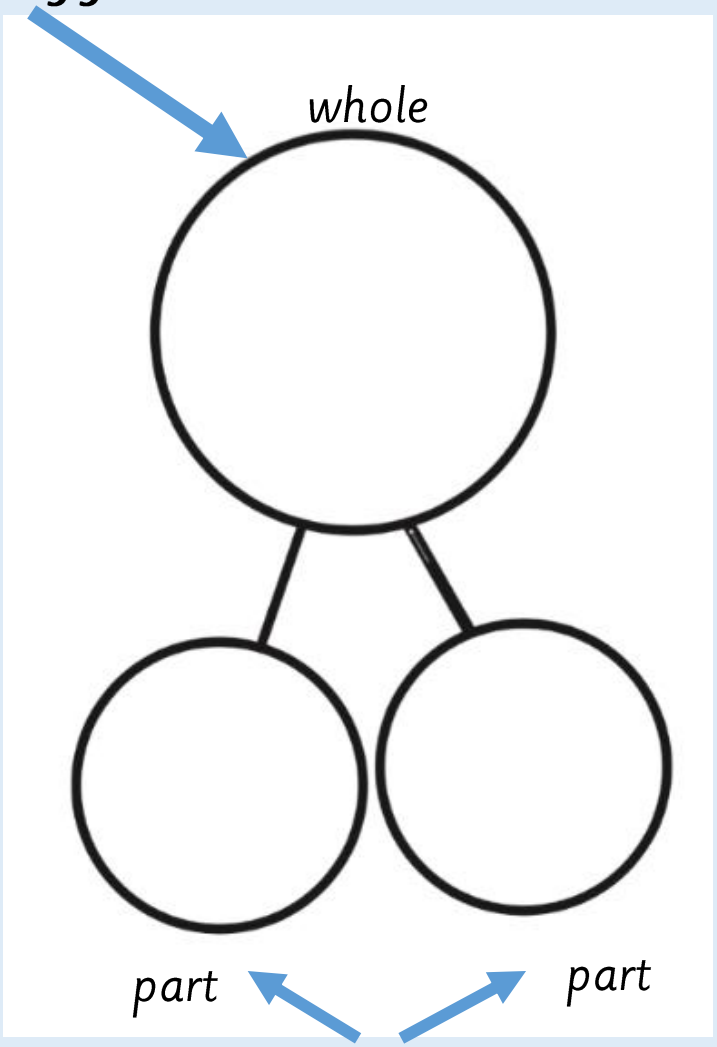
=

L.Q. Can I find the missing part?

What is this called?

16.10.2026

The **whole** is the **biggest number** and is the total of the parts.



The **two parts add together** to make the **whole**.

It is important the numbers are in the **correct place** otherwise it does not make sense.

L.Q. Can I find the missing part?

16.10.2026

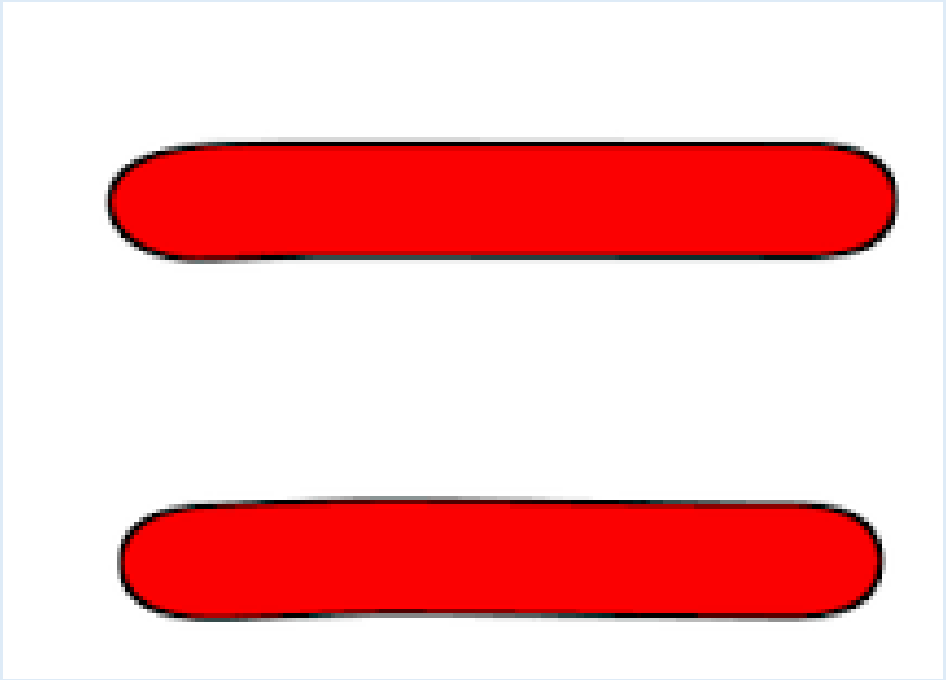
What do these signs mean?



Add / Plus

When you combine two or more numbers together.

1 + 1



Equals

The end values totaled together.

1+1 together = 2

L.Q. Can I find the missing part?

16.10.2026

How many cans were hit altogether?

Stem sentence: The whole is _____.



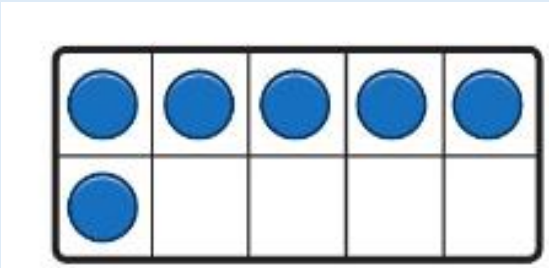
One part is _____.

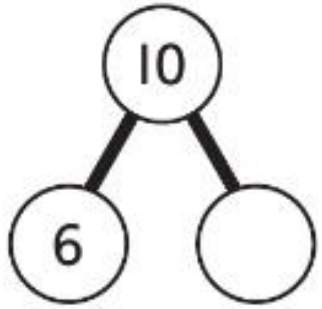
The other part is _____.

Can you write the number sentence?

____ + ____ = 10

____ + ____ = 10

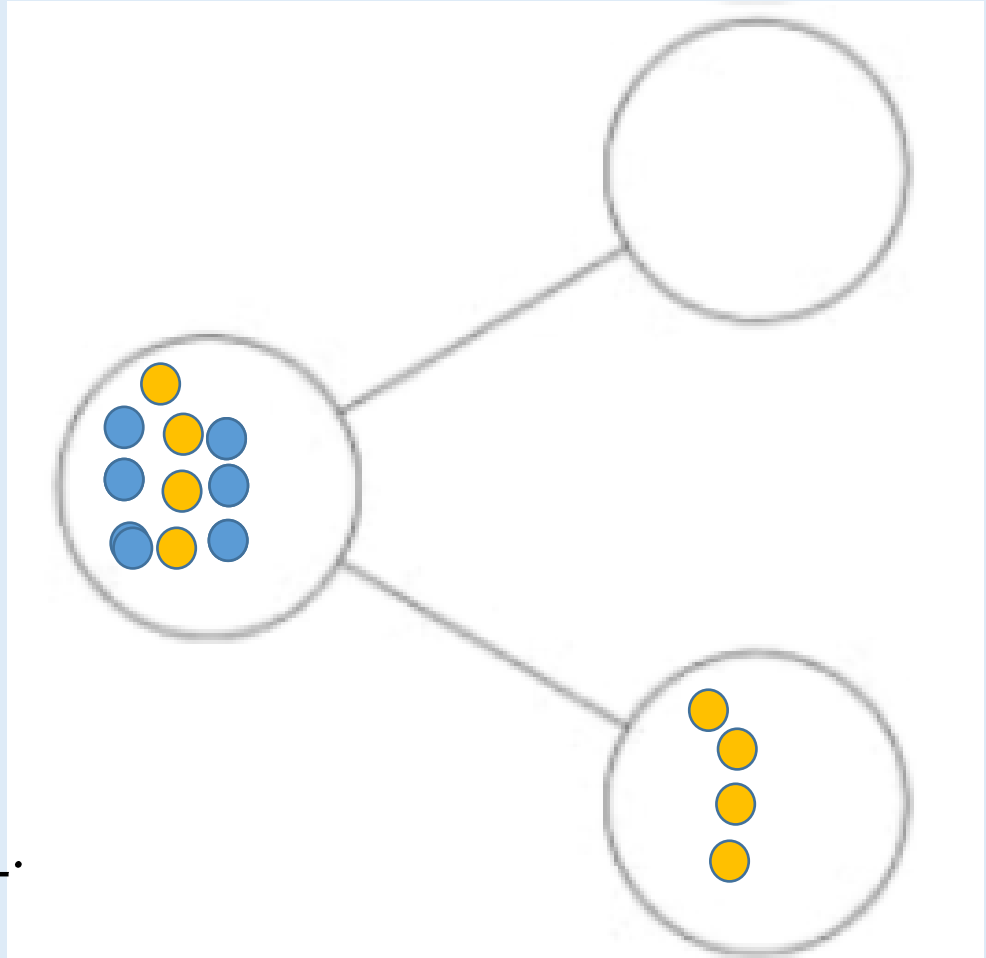




L.Q. Can I find the missing part?

16.10.2026

Can we find the missing part?



The whole is _____.

One part is _____.

The other part is _____.

Can you write the number sentence?

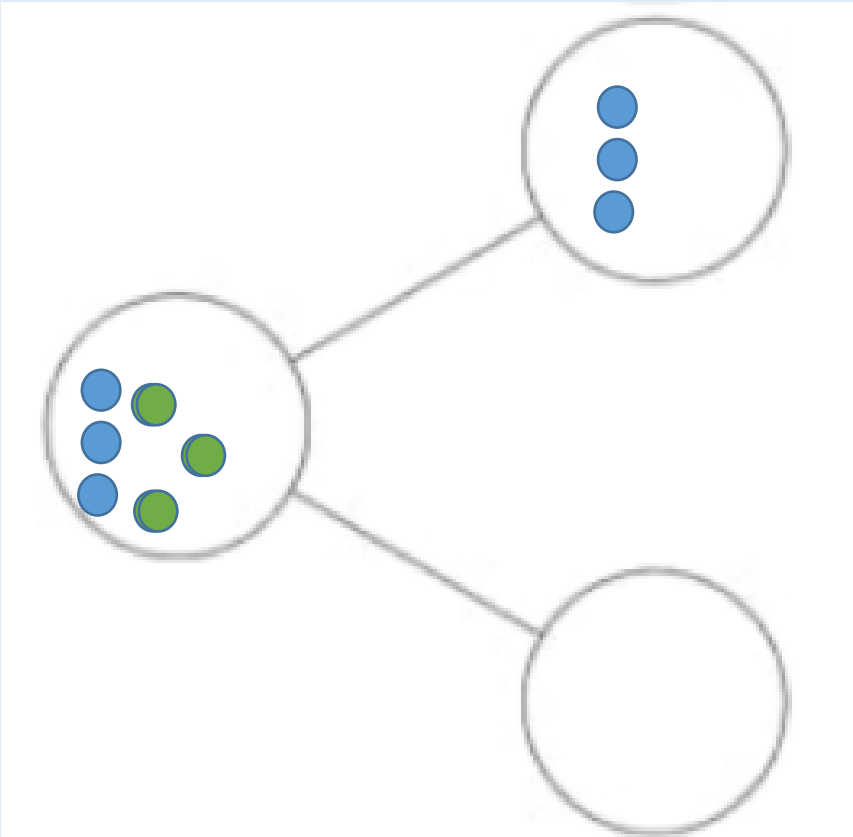
___ + ___ = 10

___ + ___ = 10

L.Q. Can I find the missing part?

16.10.2026

TPs: Work together to find the missing part.



Stem sentences:

The whole is _____.

One part is _____.

The other part is _____.

Can you write the number sentence?

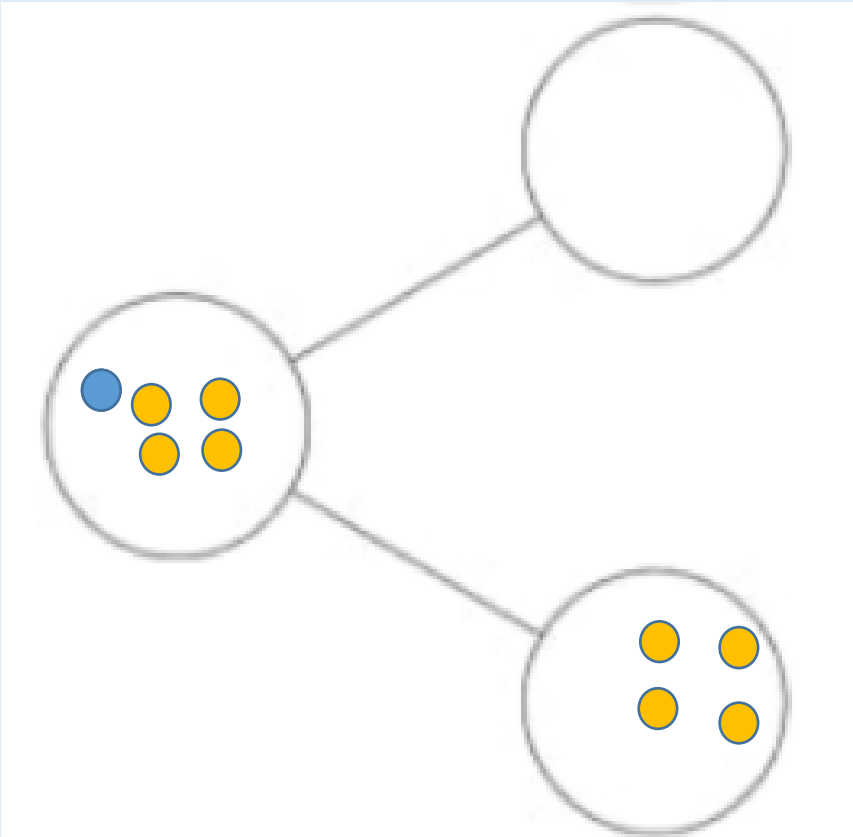
___ + ___ = 6

___ + ___ = 6

L.Q. Can I find the missing part?

16.10.2026

TPs: Work together to find the missing part.



Stem sentences:

The whole is _____.

One part is _____.

The other part is _____.

Can you write the number sentence?

___ + ___ = 5

___ + ___ = 5

L.Q. Can I find the missing part?

16.10.2026

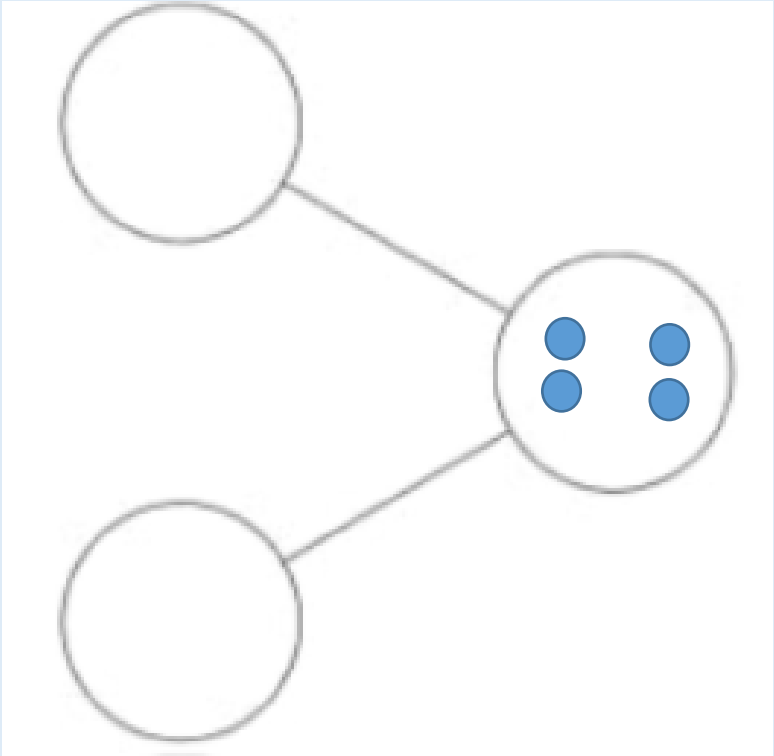
The whole is _____.

If one part is 0, then what is the other part?

One part is _____.

The other part is _____.





Self Assessment

Do you understand how to find the missing part?



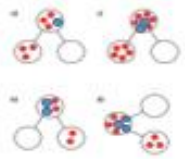
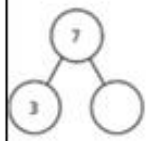


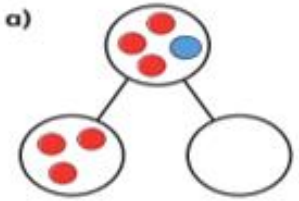
16.10.2026

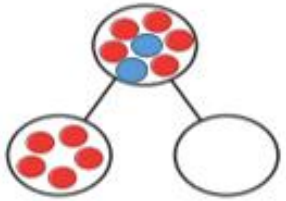
L.Q. Can I find the missing part?

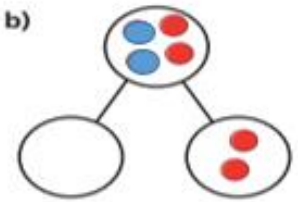
Task

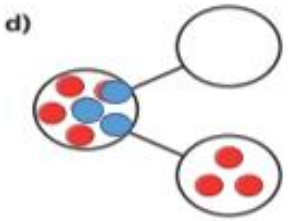
Part, whole, partition, equal to, add, groups, altogether

1.	2.	3.
Complete the part-whole models by writing the missing part. 	There are **6** sweets **altogether**. 2 are red. 2 are blue. Is this correct?  Yes, it is correct because _____. No, it is not correct because_____.	Complete the part whole model and sentences.  The whole is ☐ ☐ is a part. ☐ is a part.

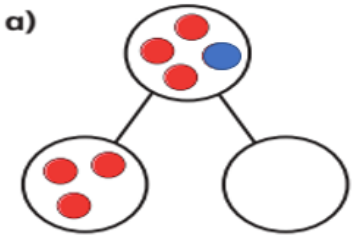
a) 

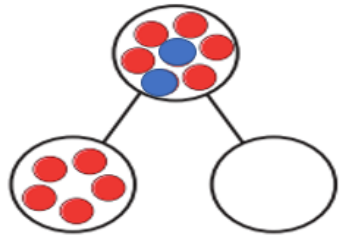
c) 

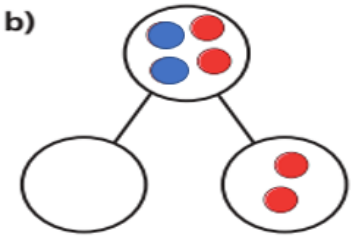
b) 

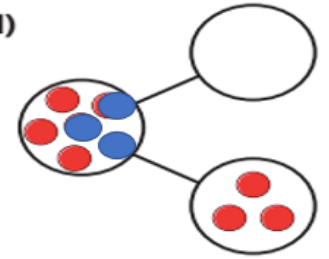
d) 

Today we worked in a small group to find the other part of a part whole model using pictorial representations. We counted the whole number and recognised the 2 parts. We used the counters to show the other part and stuck it on our part whole model to show the missing part.

a) 

c) 

b) 

d) 



Self Assessment

Do you understand the task?

